

What is claimed is:

1. A security method for controlling access to a function of a digital television receiver, comprising the steps of:

(a) providing a software application at the receiver;

said software application being executable in response to an execution command;

(b) providing data defining a condition of the receiver under which access to the receiver function by the software application is permitted;

(c) providing a control signal for requesting access to the receiver function upon execution of said software application;

(d) in response to said control signal, determining whether an associated security policy of the software application contains a permission for the software application to access the receiver function;

(e) if said security policy contains said permission:

(i) determining whether said condition of the receiver is met by data indicative of a current state of the receiver;

(ii) allowing the software application to access the receiver function if the condition is met; and

(iii) preventing the software application from accessing the receiver function if the condition is not met; and

(f) if said security policy does not contain said permission, preventing the software application from accessing the receiver function.

2. The method of claim 1, wherein:  
said condition indicates a conditional access state of the receiver.

3. The method of claim 2, wherein said conditional access state comprises at least one of:  
a blackout state;  
a pay-per-view state; and  
an authorization state.

4. The method of claim 1, wherein:  
said condition indicates a user state of the receiver.

5. The method of claim 4, wherein said user state comprises at least one of:  
user preferences;  
a user password; and  
a user identifier.

6. The method of claim 5, wherein:  
said condition indicates at least one of a time, date, and day.

7. The method of claim 1, wherein:  
said condition is defined, at least in part, by said software application.

8. The method of claim 1, wherein:  
said condition indicates that one of a channel  
and a group of channels is tuned by the receiver.

9. The method of claim 1, wherein:  
the software application is downloadable to the  
receiver via a broadband television network.

10. The method of claim 1, comprising the  
further step of:  
providing a user interface to allow a user to  
define, at least in part, the permission of the  
security policy.

11. The method of claim 1, wherein:  
the software application comprises a Java code.

12. The method of claim 1, wherein:  
the execution command is initiated by a user.

13. The method of claim 1, wherein:  
the permission is associated with a user of the  
receiver.

14. The method of claim 1, wherein:  
the condition is embedded in code that defines  
the permission.

15. The method of claim 1, wherein:

the software application is multicast to a receiver population including said receiver.

16. The method of claim 1, comprising the further step of:

providing a user interface to allow a user to define, at least in part, the data defining said condition.

17. A security apparatus for controlling access to a function of a digital television receiver, comprising:

(a) means for providing a software application at the receiver;

said software application being executable in response to an execution command;

(b) means for providing data defining a condition of the receiver under which access to the receiver function by the software application is permitted;

(c) means for providing a control signal for requesting access to the receiver function upon execution of said software application;

(d) means for determining, in response to said control signal, whether an associated security policy of the software application contains a permission for the software application to access the receiver function;

(e)(i) means for determining whether said condition of the receiver is met by data indicative of a current state of the receiver when said

security policy contains said permission;

(e)(ii) means for allowing the software application to access the receiver function if the condition is met, and when said security policy contains said permission;

(e)(iii) means for preventing the software application from accessing the receiver function if the condition is not met, and when said security policy contains said permission; and

(f) means for preventing the software application from accessing the receiver function if said security policy does not contain said permission.

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